

Interview Summary	Application No.	Applicant(s)	
	09/901,566	ITO ET AL.	
	Examiner	Art Unit	
	Carlos Lugo	3677	

All participants (applicant, applicant's representative, PTO personnel):

(1) Carlos Lugo. (3) William Miller.

(2) John Carney. (4) _____.

Date of Interview: 17 September 2003.

Type: a) ☐ Telephonic b) ☐ Video Conference
c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.
If Yes, brief description: _____.

Claim(s) discussed: 1.

Identification of prior art discussed: DE 3,841,203 and US 3,202,463.

Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: In a personal interview with applicant's representative, an amendment proposed by the applicant, defines over the current rejection to the claim.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Claim 1. (currently amended) A seal structure in an engine body, comprising:

a crankcase which has a crank chamber and which is coupled to a lower end face of a cylinder block having a cylinder bore, the crankcase being comprised of first and second case halves having oppositely facing joint surfaces coupled to each other in a plane extending perpendicular to the lower end face of said cylinder block, wherein ^{only} one of the joint surfaces of said first and second case halves includes a U-shaped seal groove extending along a peripheral edge of said crank chamber, and wherein enlarged recesses are provided only in said one of the first and second case halves and extend laterally from opposite ends of said seal groove to be surrounded by the cylinder block and the first and second case halves;


a bar-shaped seal member mounted in said seal groove to come into close contact with the other of said joint surfaces of the first and second case halves such that enlarged end portions integrally formed at opposite ends of said bar-shaped seal member are entirely filled in the enlarged recesses; and

a gasket interposed between the lower end face of said cylinder block and cooperating end surfaces on said first and second case halves to come into close contact with upper end faces of said enlarged end portions, whereby a T-shaped intersecting joint area among said cylinder block and said first and second case halves is sealed by said seal member and said gasket.

Two-stroke engine with split casing

Patent Number: DE3841203
Publication date: 1990-06-13
Inventor(s): OBERMAYER ROBERT (DE); EMMERICH WOLFGANG DIPL ING (DE)
Applicant(s): SOLO KLEINMOTOREN GMBH (DE)
Requested Patent: ☐ DE3841203
Application Number: DE19883841203 19881207
Priority Number(s): DE19883841203 19881207
IPC Classification: F02F7/00; F02F11/00
EC Classification: F02B75/16, F02F7/00A1
Equivalents:

Abstract

In a two-stroke engine with a two-part plastic crankcase (1), in which a crankshaft (3) is supported in two main bearings (roller bearings 2), and an aluminium cylinder (4) bolted to the two-part crankcase (1), it is proposed, in order to design the casing as air tight as possible, that a rubber-elastic toroidal sealing ring (6) be arranged in the separation joint of the two crankcase parts (1', 1'') of the two-part crankcase (1) composed of plastic, that the said toroidal sealing ring (6) be positively held in a seating groove (5) of at least one flange of the two crankcase parts (1', 1'') of the two-part crankcase (1) and that a sealing ring (10) with closed circumference be provided between the two-part crankcase (1) and the cylinder (4). 

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With the only remark example represented in the attached figures the two-stroke engine exhibits from two crank case parts 1 a min, 1 min compound crank case 1, in which in two antifriction bearings 2 a crankshaft 3 is stored. On the crankshaft housing 1 a cylinder 4 from aluminum is put on.

For the sealing of the separation joint between the two crank case parts of 1 min, 1 min a round cord seal 6 from elastic material is inserted in a photograph groove 5. The ends of this round cord seal 6 are enough in recesses 7 of the cylinder 4. The crank case parts of 1 min, 1 min are against each other fixed and centered and over likewise not represented screws with one another flanged over not represented taps and adapted recesses 8. An elastic pin 9 against running along secures the outer ring of the antifriction bearings 2.

Between the cylinder 4 and the crank case 1 positively a sealing ring 10 closed to the extent is intended, which is einstueckig connected on two facing sides by seal distance pieces 11 with pot-like photographs 12. The soil 13 of the pot-like photographs 12 is provided with a break-through 14 in each case, which is through-risen up of the end of the round cord seal 6 in each case, like this in Fig. Is evident to 4. In the admission 12 the round cord seal 6 is enclosing with distance a feather/spring intended, by which the soil 13 is pressed against a seal paragraph 16 of the crankcase 1. This seal paragraph 16 is appropriate symmetrically in the sealing joint of

the crank case parts 1 min, for 1 min, whereby this joint of the soil 13 and the seal distance piece 11 is sealed.

To the thermal protection an insulating clamp 17 with high heat transfer resistance is intended between the sealing ring 10 and the cylinder 4, by which also the photographs 12 are taken off. The insulating clamp 17 is of the ends of the round cord seal 6 through-rises up.